

Title (en)  
ELECTRICAL QUENCHING MODULE EQUIPPED WITH A MAGNETIC BLOW-OUT DEVICE AND ELECTRICAL QUENCHING APPARATUS COMPRISING SUCH A MODULE

Title (de)  
ELEKTRISCHES LÖSCHMODUL MIT EINER MAGNETISCHEN AUSBLASVORRICHTUNG UND ELEKTRISCHES LÖSCHGERÄT MIT EINEM SOLCHEN MODUL

Title (fr)  
MODULE DE COUPURE ELECTRIQUE EQUIPE D'UN DISPOSITIF DE SOUFFLAGE MAGNETIQUE ET APPAREIL DE COUPURE ELECTRIQUE COMPORTANT UN TEL MODULE

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Application  
**EP 22728556 A 20220510**

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Abstract (en)  
[origin: WO2022243119A1] The invention relates to an electrical quenching module (3) comprising an amagnetic and electrically insulating casing (5) in which are housed a fixed contact (CF) and a movable contact (CM) defining therebetween a quenching region (Z) through which an electric arc (E) extends once ignited on opening of the electric circuit. It comprises a magnetic blow-out device (10) provided with at least one magnetic field source (11) placed in a quenching chamber (9), facing said quenching region (Z) with a view to moving and stretching said electric arc (E), in a direction substantially perpendicular to the quenching plane (P), in the direction of the casing (5). The magnetic blow-out device (10) further comprises an amagnetic and electrically insulating deflector (20) placed in said quenching chamber (9) so as to occupy most of the space existing between said quenching region (Z) and said casing (5), so as to create, in the narrow interval remaining between the insulating walls of the deflector and those of the casing, at least one arc-confining region (21), into which said electric arc (E), when it is magnetically blown, is deviated and forced to promote its cooling and its extinguishment.

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